

**CALIFORNIA INTEGRATED WASTE
MANAGEMENT BOARD**

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The mission of the California Integrated Waste Management Board (CIWMB) is to reduce waste, promote the management of all materials to their highest and best use, and protect public health and safety and the environment, in partnership with all Californians.

The CIWMB developed the following strategic goals within the context of Cal/EPA's Strategic Vision. The board supports and actively seeks to implement the goals and objectives included in the vision.

CIWMB Goal 1: Promote environmentally sound and financially viable waste prevention and materials management practices among all actors in the life cycle of products and services. The intent of this goal is to promote waste prevention, product stewardship, and resource conservation practices. It supports the following objectives in Cal/EPA's Strategic Vision goals 6 and 8: creating a plan for a sustainable California; encouraging personal and corporate responsibility through increased education and outreach; promoting the implementation of environmental management systems; and developing and using meaningful environmental performance indicators.

CIWMB Goal 2: Assist in the creation and expansion of sustainable markets to support diversion efforts and ensure that diverted materials return to the economic mainstream. This goal is directly tied to Cal/EPA's vision of preventing pollution and developing a sustainable California by returning valuable materials into the economic mainstream rather than wasting them in landfills. CIWMB efforts in this area support the objectives under Cal/EPA goals 1–3 and 5–8 as follows: promoting a green California State government; promoting commercialization and use of effective practices, products, and technologies that benefit the environment; tackling cross-media air, water and energy issues; and encouraging personal and corporate responsibility.

CIWMB Goal 3: Educate the public to better understand and participate in resource conservation and integrated waste management strategies. CIWMB activities under this goal support goal 8 of the Cal/EPA vision by focusing on expanding accessibility of information to the public through the Internet and expanding communication and training efforts.

CIWMB Goal 4: Manage and mitigate the impacts of solid waste on public health and safety and the environment and promote integrated and consistent permitting, inspection, and enforcement efforts. This goal supports Cal/EPA goals 4–5 and 7–8 by ensuring compliance with the law; defining and building the CIWMB's approach to integrated permitting, inspection, and enforcement; expanding components for education, outreach and assistance; increasing efforts to prevent or clean up pollution from inactive, illegal, or abandoned sites; building a higher level of technology and science-based decision; and working to ensure that communities are free from unacceptable human health and ecological risks.

CIWMB Goal 5: Improve the efficiency and effectiveness of the California Integrated Waste Management Board in pursuit of its mission. This goal supports Cal/EPA's vision through goal 8 by focusing on leadership, innovative information management, and organizational management, as well as cross-media and cross-organizational communication and collaboration.

CIWMB Goal 6: Continuously integrate environmental justice concerns into all of the CIWMB's programs and activities, including administrative and budgetary decisions. CIWMB activities in this area support Cal/EPA's goal 6 through participation in Cal/EPA's environmental justice internal advisory group and the staff-level working group. The board is also assessing its programs and activities to devise a strategy to address environmental justice issues, and to incorporate input from all affected stakeholders, communities, and interested parties.

CIWMB Goal 7: Promote a "zero-waste California" where the public, industry, and government strive to reduce, reuse, or recycle all municipal solid waste materials back into nature or the marketplace in a manner that protects human health and the environment and honors the principles of California's Integrated Waste Management Act. This goal supports Cal/EPA goals 4-8, including promoting the development, commercialization, and use of effective environmental techniques and technologies; ensuring environmental impacts for all media are considered in environmental policy and management decisions; creating a plan for a sustainable California; and expanding and improving cross-media communication and collaboration.

Energy

In light of California's ever-demanding energy situation, the CIWMB has targeted conversion technologies as a mechanism that will not only reduce the overall volume of unused organic materials sent to local landfills, but also provide a new source of fuel for generating electricity in California. This increase in energy production and the development of other emerging technologies and landfill-to-gas generation will aid in California's energy diversification goals.

Cal/EPA Goal 6: Ensure the efficient use of natural resources.

Cal/EPA Goal 7: Continuous improvement and application of science and technology.

Cal/EPA Goal 8: An efficient and effective Cal/EPA in pursuit of its mission.

Accomplishments

1. **Conversion Technologies:** (Non-combustion processes that can convert post-recycled solid waste residuals into energy, alternative fuels, and other products.) In response to the CIWMB direction in May 2001 to initiate a number of efforts to encourage conversion technology development, staff completed the following tasks:
 - Conducted public workshops in January and March on regulatory, definitional, and diversion credit issues related to conversion technologies.
 - Presented agenda items to the Board in February and April on regulatory, definitional, and diversion credit issues related to conversion technologies. At the April board

meeting, the board 1) adopted policy recommendations on a definition of conversion, 2) findings under which local jurisdictions can receive diversion credit for sending materials to conversion facilities, and 3) a 10 percent limit on such diversion credit. These recommendations were subsequently used to amend AB 2770, the administration-sponsored bill on conversion technologies. Authored by Assembly Member Matthews and co-authored by Assembly Member Bogh, as of June 30 this bill was in the Senate Environmental Quality Committee.

- Initiated a contract with UC Davis to begin identifying and evaluating conversion technologies.
- Initiated an agreement with the Office of Environmental Health Hazard Assessment to analyze risks associated with known emissions from conversion facilities.
- Initiated internal discussions on timelines and tasks associated with a rulemaking on the permitting of conversion technologies.
- Continued discussing an interagency working group with appropriate agencies.
- Participated in the Governor's Office of Planning and Research renewable energy financing team discussions.
- Provided assistance on financing opportunities and permitting issues to several project proponents.

Priorities

1. **Conversion Technologies:** Staff will continue implementing board members' direction through activities such as:
 - If AB 2770 is enacted it would provide a definition for conversion technologies and establish a program to research and evaluate these exciting new waste handling technologies. Staff is ready to begin planning for implementation of provisions when legislation becomes effective January 1, 2003. This would include planning for the grant program, additional research on technologies and emissions and on lifecycle costs and benefits, and establishment of the interagency task force.
 - Conducting the workshop and vendor show at WASTECON, the national conference of the Solid Waste Association of North America, in Long Beach in October.
 - Conducting the workshop on conversion technology-related environmental issues at the California Resource Recovery Association annual meeting in July.
 - Continuing to work with the Governor's Office of Planning and Research on renewable energy and alternative fuel production financing opportunities.
 - Continuing to assist project proponents on financing and permitting issues.

- Conducting informal workshops on the rulemaking on permitting of conversion technologies.

Cross-Media Initiatives

Historically, federal, State, and local environmental agencies have been organized on the basis of a single environmental medium—such as air, water, and land. By fostering cross-media coordination, we can pioneer innovative solutions and reap long-term benefits for the environment. By partnering with local government, private businesses, and product manufacturers, we can further promote and exercise product stewardship, address environmental justice, minimize pollution and waste generation, and safely manage unavoidable discards.

Cal/EPA Goals 7 and 8

Accomplishments

1. **E-Waste and Product Stewardship:** CIWMB staff, in coordination with a contractor, Boisson & Associates, developed detailed background material and gathered data through a survey mechanism and two full-day workshops for local governments. The goal was to compile recommendations for California's participation in the National Electronics Product Stewardship Initiative (NEPSI). This information has been posted on the Electronics Product Management Web site (www.ciwmb.ca.gov/Electronics/). Through this effort the CIWMB solicited input from local government and State agency stakeholders related to their costs and concerns regarding e-waste management. The CIWMB also continued its collection of information on electronic equipment reuse and recycling organizations to augment the data already in the materials collection database. Staff coordinated the presentation of this information with DTSC in light of new facility regulations.
2. **Electric Mulching Mower Rebates:** The CIWMB provided \$50,000 in an interagency agreement with the Air Resources Board (ARB) to fund electric mulching mower rebate programs in participating jurisdictions throughout the state. Electric mulching mower rebate programs help reduce the generation of grass clippings and air emissions. In spring 2002, mower trade-in events were held in San Diego, the Central Valley (Stockton, Merced, and Visalia), and the San Francisco Bay Area (Pittsburg, San Ramon, Napa, Sunnyvale, Vacaville, and Rohnert Park). More than 3,500 people attended the events, and more than 2,500 purchased electric mulching mowers. Participants exchanged more than 2600 gas-powered mowers, and the programs collected and recycled more than 90 tons of metal and 119 gallons of used oil and gasoline.
3. **Nonpoint Source Pollution:** Nonpoint source pollution of surface and groundwaters remains one of the most challenging environmental problems in the state. The CIWMB has promoted sustainable landscaping and agricultural practices that accomplish multiple cross-media objectives, including landfill diversion, increased efficiency of water use, erosion control, and decreased runoff.

- Completed reports on two board-sponsored projects on the use of mulch in hillside vineyard erosion control and submitted the reports for final publication.
 - Chose partners in the Napa River watershed to assist in applying for Clean Water Act Section 319 funding for follow-up research on the efficacy of mulch in controlling erosion and reducing water use in vineyards.
 - The North Natomas Landscape Management Outreach Program is funded by a \$50,000 Pollution Prevention Incentives for States (PPIS) grant from the U.S. EPA. This project became operational with the CIWMB acting as the fiscal agent and manager for a three-year stormwater pollution prevention campaign that is being conducted in partnership with the City of Sacramento. A plant species guideline was developed—in conjunction with several local horticultural experts—outlining water requirements, minimum spacing intervals, growth rates, size at maturity, and other horticultural features for trees, shrubs, vines, and ground covers that are suitable for planting in the city’s newly developing North Natomas area. Use of these guidelines—when builders are developing landscapes for this new community—will help reduce pollution from the excessive use of toxic pesticides and fertilizers, minimize over-watering, and reduce the generation of green waste.
4. **Landscape Management Outreach Programs:** The board continued funding projects that promote the adoption and use of resource-efficient landscaping practices to the professional landscape industry, including:
- Working in partnership with local government in the San Francisco Bay Area and San Joaquin Delta to conduct outreach activities that help reduce green waste generation, conserve water, and minimize nonpoint source pollution from local urban landscapes.
 - Exhibiting at the Sacramento Valley Landscape and Nursery Expo held at the Sacramento Convention Center and the Northern California Turf and Landscape Council held in Santa Clara during January, and the Landscape Industry Show sponsored by the California Landscape Contractors Association and held in Long Beach in February.
 - Developing and printing 4,000 copies of a new publication, “A Landscapers Guide to Mulch,” in conjunction with agencies in Alameda County. This guide outlines various major uses, preferred characteristics, application instructions, and buying tips for mulches made from urban-derived woody green waste materials.
5. **Environmental Justice:** The CIWMB supported environmental justice by requiring grant applicants for competitive used oil opportunity and household hazardous waste grants to self-certify compliance with environmental justice principles. Also, the CIWMB awarded preference points to those applicants who proposed to target underrepresented groups for grant-funded activities or programs.
6. **Landfill Study:** CIWMB’s contractor, GeoSyntec Consultants, completed task 1 of the study—a checklist of federal, State, and local environmental regulatory requirements. The

final checklist was posted on the CIWMB Web site on May 1. An initial draft of task 2, a comprehensive, cross-media inventory of more than 240 municipal solid waste (MSW) landfills, was completed by the contractor. It is currently undergoing extensive review by landfill owners/operators and regulators to verify the information contained in the database before being posted on the CIWMB Web site. For task 6, the contractor identified the states and countries whose MSW landfill regulations will be evaluated for possible use as California develops and considers potential improvements to California's multimedia regulations. The list of states and countries also was posted on the CIWMB Web site on May 1. For task 7, the contractor completed an initial list of emerging technologies that could, if applied, improve California's multimedia regulations of MSW landfills.

Priorities

1. **E-Waste and Product Stewardship:** The CIWMB will continue to represent State and local interests in negotiations coordinated by the National Electronics Product Stewardship Initiative (NEPSI) for a system to finance the economically and environmentally sound end-of-life management of electronic products. The CIWMB will also monitor pending legislation (SB 1523, Sher; and AB 1619, Romero) that would establish a fee on all cathode ray tubes (CRT) sold in the state, and work with stakeholders to develop funding for the infrastructure to collect and distribute fees collected to improve CRT recovery and recycling.
2. **Nonpoint Source Pollution:**
 - The CIWMB will publish two reports on hillside vineyard erosion control and disseminate the findings to vineyard operators and local governments statewide.
 - It will also continue to coordinate with the State Water Resources Control Board to complete the State's nonpoint source pollution plan; seeking funding for related erosion control, biosolids, and manure management projects; and implementing the new PPIS grant in partnership with the City of Sacramento.
 - Begin assisting partners in implementing the Napa River Watershed project, if the SWRCB funds the project.
 - CIWMB staff from the North Natomas landscape management outreach program will present the plant species guidelines to the Sacramento City Council for formal adoption. Staff will also develop and conduct a stormwater pollution prevention educational outreach campaign for homeowners and professional landscapers in the North Natomas area to reduce the excessive use of toxic pesticides and chemical fertilizers, eliminate overwatering, and minimize green waste generation.
3. **Landscape Management Outreach Programs:**
 - Conduct a green landscaper certification program for members of the professional landscape industry in partnership with the local jurisdictions in the San Francisco Bay Area counties of Alameda, Contra Costa, and Santa Clara.

- Conduct a compost tea demonstration and education project in conjunction with San Francisco on city golf courses to reduce the incidence of turfgrass fungal diseases. The goal is to control these diseases without using toxic chemicals that have been banned from use on municipal landscapes by San Francisco.
 - Exhibit at landscape industry trade shows sponsored by the Southern California Turfgrass Council at the Pomona Fairgrounds in October and Orange County in December to promote the use of resource-efficient landscape management practices in urban landscapes.
4. **Stormwater Pilot Program:** As directed by the board, staff will research methods and programs to cost-effectively use block grant and opportunity grant monies to collect and recycle or dispose of oil and oil byproducts from stormwater without compromising “core” used oil collection and recycling efforts. Staff will review specifications and existing literature on stormwater cleanup devices and programs. Staff will consider the feasibility of using oil fund monies to supplement this research and to fund pilot programs in Northern and Southern California to evaluate performance criteria and cost effectiveness. This information will be used to establish criteria for subsequent competitive grant awards and refine requirements for use of block grant monies for stormwater-related devices and programs.
 5. **Environmental Justice:** The CIWMB used oil block grant award scheduled for July will include a requirement that local government recipients of grant awards must comply with environmental justice principles.
 6. **Landfill Study:** CIWMB’s contractor, Geosyntec Consultants, continues to work on the landfill study. Upcoming work includes completing the task 2 comprehensive inventory of more than 240 MSW landfills and posting the database on the CIWMB Web site. Completing the task 3 assessment of current MSW landfill performance and distributing a draft report of the findings for review and comment sometime in July. Completing the assessment of current state regulatory effectiveness in protecting the environment for the short- and long- terms by gathering detailed data on more than 50 MSW landfills (task 4) and analyzing the detailed data to assess regulatory effectiveness over time (task 5). Completing the task 6 evaluation MSW regulations of other states and countries for possible improvement to California’s regulations, and the task 7 analysis of emerging technologies that could possibly improve California’s regulatory program.

Loans/Grants

CIWMB uses a variety of funding opportunities to assist public and private entities in the safe and effective management of the waste stream. Grant and loan programs support public education; waste reduction; market development; load checking; and household hazardous waste or special waste collection, recycling, and reuse projects.

Cal/EPA Goal 4: Communities that are free from unacceptable human health and ecological risks due to exposure from hazardous substances and other potential harmful agents.

Cal/EPA Goals 7 and 8

Accomplishments

1. **Recycling Market Development Zone (RMDZ) Loans:** In June, the board approved a \$2 million loan to Chamlian Enterprises, Inc. (DBA Chamlian Textiles) for an expansion of the company's textile recycling business. Chamlian will use the loan proceeds to purchase new textile recycling equipment, creating 40 new jobs and increasing its diversion 30 percent to an estimated 26,000 tons per year. CIWMB also awarded a contract to a commercial loan-servicing firm to manage and collect the outstanding RMDZ loan portfolios.
2. **Used Oil Opportunity Grants:** In April, the CIWMB awarded \$5.1 million to 18 jurisdictions in the fiscal year 2001–02 grant cycle. Local governments will use the funds to implement used oil and filter collection and recycling programs.
3. **Park Playground Accessibility and Recycling Grants:** In January the CIWMB awarded 57 grants totaling more than \$2.5 million to municipalities under the second and final cycle of the park playground accessibility and recycling grant program. These grants help local public agencies upgrade playgrounds with recycled-content materials to ensure that playgrounds comply with State regulations and are accessible in accordance with the Americans with Disabilities Act of 1990. Funding for the awards is provided by the Safe Neighborhood Parks, Clean Water, Clean Air, and Coastal Protection Bond Act of 2000 (Villaraigosa-Keeley Act).
4. **School and Park Playground Resurfacing:** In February the CIWMB awarded more than \$1.5 million in grants to schools, colleges, cities, park districts, and tribal agencies for playground resurfacing made from old tires. A total of \$1,520,528 was allocated to fund 41 projects from Del Norte County to San Diego County.
5. **Track and Other Recreational Surfacing:** In February, the CIWMB awarded 15 grants totaling \$954,879 to public entities with facilities open to the general public for surfacing projects using recycled tire materials. In May, as part of the Waste Tire Management Fund reallocation action, the CIWMB approved another 10 grants for \$894,409.
6. **Waste Tire Cleanup and Enforcement:** The CIWMB awarded grants totaling \$837,662 for local waste tire cleanup and enforcement. This included a \$325,000 grant awarded in June to the California District Attorneys Association to support local waste tire enforcement efforts.
7. **Tire Product Commercialization Grants:** The CIWMB, in March, awarded nearly \$2 million in grants for projects to produce new products from old tires. Eight companies received a total of \$2,179,389; they will consume at least 2 million passenger tire equivalents annually.
8. **Reuse Assistance Grants:** The CIWMB awarded eight grants to local governments, through the third cycle of reuse assistance grants, totaling \$313,000. Grantees range from El Dorado County, which works with Habitat for Humanity, to Kern County, which conducts innovative electronic product recovery and reuse with the Merit Corporation. The Merit Corporation is a nonprofit vocational training enterprise that employs correctional facilities residents. Reuse

grants expand the state's capacity to divert materials from disposal and improve local economies. Full information on the grants and all past recipients can be found at the Reuse Web site (www.ciwmb.ca.gov/Reuse/).

Priorities

1. **Enforcement Assistance Grants:** The enforcement assistance grant program will continue to provide \$1.5 million each fiscal year to local enforcement agencies to assist with enforcement program implementation.
2. **Household Hazardous Waste Grants:** The fiscal year 2002–03 grant cycle will be presented for award at the August CIWMB meeting. Program staff will seek board approval to award \$3 million in grants. General criteria include local government need for a specific project(s), methodology, evidence of a recycled-content purchasing policy, adherence to the principles of environmental justice, and a detailed budget. Program scoring criteria emphasizes HHW collection in rural areas, or small cities, and underserved populations. Additional program scoring criteria emphasizes expansion of existing programs to initiate new HHW programs to include electronic waste (e-waste) collection and universal waste (u-waste) or paint.
3. **Used Oil Block Grants:** The fiscal year 2002–03 block grant will be awarded at the July CIWMB meeting. More than \$15 million dollars will be available to jurisdictions to implement used oil and filter collection programs. This grant is non-competitive and available to all California cities and counties based on population. A new eligible cost is for stormwater mitigation activities.
4. **RMDZ Loans:** Approximately \$6.5 million is expected to be available in the board's fiscal year 2002–03 budget, pending its approval. With assistance from a contractor, staff will identify the best leveraging options to secure long-term funding for the RMDZ loan program. Once identified, staff will take immediate steps to implement these options. CIWMB will focus on funding additional loans for recycling businesses.

Site Cleanup

Cleaning up and preventing the illegal disposal of municipal solid wastes and tires is a continuing challenge for local government. Board-funded cleanup and enforcement grants provide additional resources for cities and counties to remove threats to public health, safety, and the environment created by illegal sites in urban and rural areas across California.

Cal/EPA Goal 4

Cal/EPA Goal 5: Reduce or eliminate the disproportionate impacts of pollution on low-income and minority populations.

Cal/EPA Goal 8

Accomplishments

1. **Solid Waste Site Cleanup Program:** The largest known legacy illegal dumpsites in the environmentally sensitive Southern California desert area have been cleaned up by the CIWMB solid waste cleanup program contractors. These cleanups were conducted under an innovative and cooperative cost-sharing agreement with federal and local agencies. Another innovative cleanup project was completed in partnership with the Table Bluff Indian Tribe in Humboldt County. The board approved six new projects totaling \$2.5 million. These projects included the following: 1) \$550,000 for matching grants to the cities of Los Angeles and Huntington Beach for trash cleanup projects related to total maximum daily loads, 2) \$1.35 million for burn dump cleanups including the complex Quince Street matching grant project in San Diego and the CIWMB-managed Shafter project in Kern County, and 3) a CIWMB-managed cleanup of an illegal disposal site near Santa Maria in Santa Barbara County.

Priorities

1. **Closed, Illegal, and Abandoned Sites:** Continue to complete priority investigations of closed, illegal, and abandoned disposal site for transfer to enforcement phase work and, if appropriate, referral for cleanup through the solid waste cleanup program.
2. **Farm and Ranch Cleanup Grant Program:** CIWMB will continue outreach and project development for new solid waste cleanup program and farm and ranch grant program cleanup projects.

Integrated Education

By providing curricula and hands-on training workshops to teachers on the topic of waste prevention, CIWMB is committed to creating environmentally literate students/citizens who are able to understand and balance economic interests and environmental sustainability. Promoting educational partnerships at the local level—and teaching respect for the environment and the value of conserving natural resources—are accomplished within the context of the California State education standards for grades K–12.

Cal/EPA Goal 8

Accomplishments

1. **Border Education:** CIWMB is overseeing development of an anthology of environmental issues identified as priorities by an advisory group of teachers from Mexico. The first unit on natural resources has been written and will be field-tested in early 2002. A firm has been selected to translate the lessons from English to Spanish. Upon completion of the anthology, a teacher-training workshop will be held to introduce and distribute a final product to Mexico's teachers.

2. **MOU on Environmental Education:** A memorandum of understanding (MOU) for environmental education was developed and signed at a ceremony in Tijuana by Secretary Winston Hickox and Board Chair Linda Moulton-Patterson.
3. **Statewide Strategic Plan for Environmental Education:** Twelve listening sessions and follow-up reports from each session have been completed. The State plan, "Education and the Environment: Strategic Initiatives for Enhancing Education in California," was published in May by the California Department of Education.
4. **K-12 Alliance Partnership:** As of July, this partnership resulted in the training of 43 new facilitators who will teach *Earth Resources—A Case Study: Oil*. Through the K-12 Alliance Partnership, these facilitators trained 586 educators statewide in this grade 6–12 curriculum.

Priorities

1. **California Science Teachers Association (CSTA) Partnership:** The primary goal of the curricular-based composting unit is to provide 6th-grade students inquiry-type activities in order to discover how composting occurs. Students can then begin to practice composting at school or vermicomposting in the classroom. Field-testing is underway by classroom teachers and comments are being processed. When the units have been completed, the CSTA will format and place the resources on the CSTA Web site and provide the material to CIWMB for publishing on its school-related Web pages.
2. **Environmental Education:** SB 373 (Torlakson, Chapter 926, Statutes of 2001) has many different components that need to be melded into a cohesive multifaceted program. Therefore, intense planning and research is necessary before any one element can be implemented. The project consultants have conducted an educators' needs assessment survey. The survey results have been tabulated and an analysis completed. One meeting each with the executive advisory committee and the steering committee took place in May. Each committee provided comments and input. A focus group with teachers was held in June. The project team is developing a detailed work plan that identifies roles, responsibilities, and a timeline for completion of the project deliverables. The work plan will be carried out in the remainder of 2002 and early 2003. It is anticipated that funding for projects that will be conducted by schools, schools districts, and office of education will be made available in FY 2002–03.
3. **Cal/EPA Integrated Education Effort:** To achieve the unified education strategy contained in SB 373, the Office of Integrated Education will align the education efforts of Cal/EPA's boards, departments, and offices into an integrated, cohesive education program. The boards, departments, and offices of Cal/EPA are participants on the steering committee for implementation of SB 373 mandates. The most significant attribute of a unified education strategy on the environment for K–12 is an integrated systems approach to our educational offerings. We hope to accomplish this by having active participation and input by each Cal/EPA board, department, and office.

A related but separate effort is underway to develop a one-stop-shop Web page for education-related resources available within Cal/EPA. Taking the Cal/EPA Enforcement home page as a

model, the office is spearheading this effort. Staff hopes to create a page that will benefit educators and encourage them to use the environment as a means to teach the standards and subject areas that they are required to cover for each grade.

Waste Diversion/Waste Prevention

By conserving resources through waste prevention, reuse, and recycling, local jurisdictions are closing in on California's 50 percent diversion goal. CIWMB is a leader in this effort, providing training and technical assistance, introducing model programs for food management and composting, and disseminating tips on source reduction to State agencies and businesses. CIWMB is also encouraging incentives for "green" development and a sustainable future in California.

Cal/EPA Goals 6, 7, and 8

Accomplishments

1. **Food Scrap Management:** Staff drafted a series of fact sheets on food donation, composting food at special events, descriptions of in-vessel technologies, animal feed, and a general food scrap management fact sheet. These fact sheets will be available for distribution at trade shows and special events.
 - Staff continued education outreach through booths and presentations at events such as the *Biocycle* magazine conference in San Francisco, the Specialty Coffee Association of America conference, and the Humboldt County Compost Festival.
 - The Office of Public Affairs completed a video showcasing the successful food scrap diversion program at the Indian Wells tennis complex.
2. **Annual Business Waste Reduction Recognition Kicks off 10th Anniversary Cycle:** The CIWMB-administered Waste Reduction Awards Program, better known as WRAP, entered into its tenth year in 2002. The WRAP program recognizes the immense voluntary efforts private businesses make to local waste diversion goals. Building on a record-setting year in 2001, the WRAP program stepped up its use of the Internet to reach and assist potential participants, providing several formats of the 2002 application along with a comprehensive resource guide through the program's Web site. This year's revised application emphasizes qualitative information that will support the CIWMB's efforts to showcase outstanding examples of business resource efficiency. The award application cycle runs from April 1 through June 30, with winners announced in conjunction with Pollution Prevention Week in September.
3. **Compost/Mulch Source List:** The annual update to this list identifies businesses that market organic material products in California. Applications were mailed to 260 established businesses requesting current and accurate information about primary distribution points for their products, feedstock used, annual production, and products available. The list enables potential buyers of bulk organic materials to search by county or region.

4. **Biennial Review of Jurisdictions' Progress in Implementing Diversion Programs and Time Extensions for Local Diversion Programs:** A total of 86 1999–2000 biennial reviews have been completed. The board has approved 9 applications for consideration of good faith effort in meeting the diversion requirements. In addition, the board has approved 14 time extensions and 2 alternative diversion requirements as allowed under SB 1066 (Sher, Chapter 672, Statutes of 1997). The board is making a concerted effort to gain recognition for jurisdictions meeting the 50 percent waste diversion requirement of Public Resources Code 41790. A listing of these jurisdictions is being maintained in the board's Press Room Web site at www.ciwmb.ca.gov/PressRoom/Resources/DivRates.htm.
5. **Completion of SB 2202 Report:** Recommendations from the SB 2202 (Sher, Chapter 740, Statutes of 2000) working groups on improving the diversion rate measurement system, along with recommendations, were completed in April.
6. **Trash Cutter Awards:** The awards recognize local government for outstanding waste reduction efforts. The fourth cycle of awards was presented in conjunction with the board's regular business meeting in May. Six different local jurisdictions received a total of nine awards in the categories of creative partnerships, innovation, organics management, public information regional waste reduction, schools, urban waste reduction, and waste prevention.
7. **Implementation of State Agency Diversion Program:** During the last six months board staff focused on a greater level of outreach services to State entities by providing technical assistance and training to help them meet the 25 percent and 50 percent mandated goals. The Office of Public Affairs assisted the program with the production of a training video. To date these efforts have proven to be very effective with State agencies and facilities reporting higher than expected diversion within their annual reports. The CIWMB Web-based reporting capability for the mandated annual report was very successful with almost 95 percent of agencies and facilities accessing the system.
8. **State Agency Recycling Recognition (STARR) Awards:** The first ever STARR Awards were presented in April to recognize State agencies and facilities for outstanding waste diversion efforts. The board presented three State agencies/facilities with a total of four awards in the categories of innovation, recycling, waste reduction at high-volume sites, and education/training. In addition, a STARR of the Year Award was presented to the 22nd District Agricultural Association (Del Mar Fairgrounds), the State agency/facility that demonstrated waste reduction practices above and beyond those of the other applicants and served as an exemplary model for other State agencies/facilities.
9. **Establishment of CIWMB Long Beach Office:** The CIWMB has established a permanent office in Long Beach to serve Southern California. The office is with the City of Long Beach's waste management programs.

Priorities

1. **Statewide Food Residuals Summit:** A two-day food residual diversion summit is scheduled for October. A wide range of stakeholders will participate, including food industry

association representatives, food industry managers, local government representatives, health officials, food bank managers, composters, renderers, and waste haulers. Attendees will be able to share information and learn about innovative technologies and programs. Pertinent results of this workshop will be disseminated through the Web site and new publications.

2. **Annual Business Waste Reduction Recognition to Honor California's Best in 10th Cycle:** The WRAP awards will honor several hundred California businesses and other private organizations in its tenth year. The 2002 WRAP award winners will be announced in September to coincide with Pollution Prevention Week, and the ten select "WRAP of the Year" winners, annually chosen from the winners-at-large based on outstanding accomplishments, will be announced in November in conjunction with America Recycles Day.
3. **Biennial Review of Jurisdictions' Progress in Implementing Diversion Programs and Time Extensions for Local Diversion Programs:** 95 jurisdictions have indicated that they will be submitting applications for time extensions for meeting the 50 percent diversion requirement and/or alternative diversion requirements, as allowed under SB 1066. An additional 258 jurisdictions reserved the right to submit applications. CIWMB staff is consulting with many others who may also decide to submit applications.
4. **Implementation of SB 2202 Report Recommendations:** The CIWMB will be developing legislative proposals to encourage regional agency formation and to add disposal reporting system enforcement provisions, revising regulations for the disposal reporting system and the adjustment method, and expanding the CIWMB Web site with additional tools and information to improve accuracy.
5. **Electronic Annual Reporting (EAR):** Improvements to the EAR are being made in response to user feedback. Every city and county must report information on waste diversion within its jurisdiction during the previous calendar year. This report includes information about waste diversion programs implemented and discontinued, as well as the annual diversion rate. The EAR system is now widely used for this purpose by local jurisdictions with almost 95 percent of the 449 jurisdictions filing their reports electronically.
6. **Consideration of Jurisdictions' Petitions for New Base Years:** In order to accurately measure waste diversion, many jurisdictions are revising their base years and conducting waste generation studies. To date, the board has approved new base years for 107 jurisdictions, and another 74 are planned to come before the board for consideration. Thirty-four waste generation studies are also planned for board consideration. Staff will continue to provide assistance to those jurisdictions in developing new base year data for adoption by the board.
7. **Rulemaking:** The following rulemaking is in the informal regulations development and review process.
 - Revisions to the disposal reporting system to improve diversion rate accuracy. Formal rulemaking process is expected to start in early 2003.

8. **Implementation of State Agency Diversion Program:** The CIWMB will analyze the annual reports submitted by approximately 83 percent of the reporting agencies and facilities and work with the remaining 17 percent that are still completing their reports. In addition to the internal staff analysis, the CIWMB has entered into an MOU with the State Controller's Office to conduct audits along with board staff. These audits will help staff develop a solid foundation and a consistent review process for the upcoming review of agency and facility compliance with the mandated 25 percent diversion by 2002. The CIWMB will continue to provide technical assistance to State entities to help them meet the diversion goals. Staff is also developing a series of training videos to help State agencies and facilities develop and implement diversion programs. The videos will be viewable on the CIWMB Web site as well as in CD-ROM and VHS video formats. Finally, program staff is beginning to develop the next workshop series tentatively planned for October. The series will assist State agencies and facilities with the annual reporting requirements and describe how audits will be conducted in 2003.

Market Development

Market demand for recycled-content products is essential to the success of recycling and waste reduction programs. The CIWMB market development goals are designed to encourage markets for secondary materials generated in California. Through the efficient collection and processing of recycled materials, along with the commitment from manufacturers to use recycled-content feedstock, the board continues to promote the development of high-quality and value-added recycled-content products (RCP) for the California marketplace.

Cal/EPA Goals 6, 7, and 8

Accomplishments

1. **Organics Regulatory Issues:** The CIWMB is actively engaged in many key regulatory issues related to organic materials management. These include:
 - Sudden oak death. The CIWMB responded to the U.S. Department of Agriculture (USDA) proposed quarantine on the movement of woody materials from counties infested with sudden oak death disease. It coordinated with the California Department of Food and Agriculture (CDFA) in developing draft protocols for USDA consideration that would allow the use of composting (provided it meets Title 14 requirements) as a treatment method for infested material. The CIWMB also worked with CDFA in addressing similar issues for the biomass-to-energy industry. The board approved a contract concept for additional research by the University of California at Berkeley on the efficacy of composting in eliminating the pathogen from infested material.
 - Clopyralid. Continued working with the Department of Pesticide Regulation (DPR) on the issue of clopyralid contamination of compost. This included a joint presentation with the Department at the March board briefing, and a follow-up agenda item at the April meeting. In May, the CIWMB and DPR convened the first meeting of an external

stakeholders advisory committee on clopyralid in compost. CIWMB and DPR also coordinated comments on AB 2356 (Keeley).

- Published a CIWMB-sponsored research study on the use of wood ash to control odor problems at composting facilities.
 - Initiated the formal rulemaking process to amend composting regulations.
2. **Biennial Infrastructure Survey:** The CIWMB awarded the contract for the second survey of California's compost- and mulch-producing industry.
 3. **Nursery Compost Use:** Planned and conducted a panel session on nursery compost use at the March *Biocycle* magazine West Coast conference.
 4. **California Heartland:** Completed sponsorship contract for the sixth season of California Heartland, produced by KVIE-TV (Sacramento public television). As part of contract, KVIE Creative Director Jim O'Connell provided training on targeting media messages to CIWMB staff.
 5. **External Grant Funding Pilot Project:** As part of a pilot program, CIWMB selected partners from local jurisdictions and the business sector to develop grant applications for funding from other State and federal sources. CIWMB assigned staff to work with each selected partner to develop grant applications. A key feature of the program is that the external grant program would award funds directly to the selected partner(s) for a specific project. CIWMB would not be a recipient of grant funds, nor would it be a party to the grant.
 6. **Compost/Mulch Source List:** Identifies businesses that market organic material products in California. The annual update was completed in February 2000 and features 96 suppliers in 33 counties. The updated list was posted on the CIWMB Organics Web site and printed for distribution at trade shows and other events.
 7. **California Compost Quality Council (CCQC):** CIWMB staff worked closely with CCQC to keep its members informed on the issues of clopyralid in compost and sudden oak death and their potential impacts on the compost industry in California. In addition, CCQC is working with the CIWMB to develop recommendations on revisions to the CalTrans compost and mulch standard special provision to allow producers to market more material to CalTrans.
 8. **State Agency Buy Recycled Campaign (SABRC):** The SABRC annual reports have been submitted by State agencies to the board for fiscal year 2000–2001. Preliminary numbers indicate that 115 out of 144 State agencies submitted reports indicating \$260.3 million in total reportable purchases, of which \$216.6 million was spent on recycled-content products. While the ratio of reports submitted has declined from 111 out of 137 in FY 1999–2000, the reported figures have increased dramatically, up from \$210.8 million of total reportable purchases and \$167.2 million of RCP purchases. Annual follow-up letters from the board chair were sent to the heads of each State entity in an effort to bolster reporting for FY 2001–02, which is due September 1.

9. **Recycled Product Trade Show:** The 3rd Annual Recycled Product Trade Show was held April 4 and 5 in Anaheim, California. This was the first two-day show and the first show held in Southern California. It was a great success with more than 112 booth spaces and 1,200 attendees. The feedback from exhibitors and attendees has been very strong. The opening day ribbon-cutting ceremony featured Board chair Linda Moulton-Patterson; Kym Murphy, Senior Vice President, Disney Corporate Environmental Policy; and Mickey Mouse. A video produced by the board's public affairs office will be used to promote the 2003 show.
10. **Plastics "White Paper":** The CIWMB solicited position papers from key stakeholders (environmental organizations, waste management firms, beverage and container manufacturers, and recycling market development zone administrators) and received numerous responses from beverage and container manufacturers. Using this information, along with substantial research and information from the previous issue framing sessions, the board held a workshop on June 24–25, 2002, to objectively present facts and develop alternatives to address the issue of plastics in California.
11. **Plastic Trash Bag Report:** The CIWMB conducted a workshop on January 11 to seek input on the report recommendations to: 1) increase the minimum recycled content above 10 percent, and 2) eliminate the exemption. The board deferred any final decision until after completion of the plastics white paper.
12. **Rigid Plastic Packaging Container Regulations:**
- Regulations to enhance compliance with the rigid plastic packaging container (RPPC) program were approved by Office of Administrative Law and filed with the Secretary of State on April 10. The regulations allow companies that package products in RPPCs to more effectively plan their future compliance with the RPPC law by giving them advance notice of a potential compliance option.
 - As a result of the 1997, 1998, and 1999 certification process, the CIWMB entered into 125 compliance agreements. The compliance agreements provide specific terms and conditions to those companies not meeting the requirements of the RPPC law.
 - For the 2000 certification, 78 companies were mailed certification forms. These certifications will determine whether regulated companies complied with the rigid plastic packaging container law in the regulated year.
13. **Implementation of Executive Order D-16-00:** The Sustainable Building Task Force, represented by a multi-agency, multidisciplinary group of State agencies, continues implementing its plan "Building Better Buildings: A Blueprint for State Facilities." CIWMB monitored progress of assignments by task force members and completed or worked on the following action items in the first half of 2002:
- Created a sustainable building tool kit, a Web site for project managers (www.ciwmb.ca.gov/GreenBuilding/Toolkit.htm).

- Developed an attachment to architecture and engineering contracts of the Department of General Services. The attachment requires contractors to use the Leadership in Energy and Environmental Design (LEED) green building criteria in construction projects, and it significantly updated a checklist with minimum performance criteria to use on projects not suitable for LEED (building projects of smaller size and scope).
- Initiated an effort to develop building performance measures across environmental media: water, air, solid material, and toxics; as well as occupant comfort- and maintenance-related issues. This effort established that there is no database containing building performance data, nor is there an existing database that could easily be adapted for this purpose. It will be a significant effort to develop such a system, and this is important to the continual improvement of building performance.
- Conducted training sessions for the Department of General Services and other State entities.
- Drafted performance standards for State buildings and assisted with the development of a best practices manual for schools (through the Collaborative for High Performance Schools).
- Initiated educational and training activities with State entities that have significant construction-related activities. These included the State Library, which is distributing \$350 million in State grants for local government library construction, and the Department of Housing and Community Development, which administers grants and loans for affordable housing.
- Drafted a case study for the Capital Area East End Project, the first State project seeking LEED green building rating system certification. As part of the certification process, the CIWMB will be receiving considerable data on the materials used in the project. This is also the first state construction project that has participated in the SABRC.
- Evaluated implementation of sustainable building activities in the state and within State agencies. Significant hurdles remain, in particular, to incorporating sustainable building into each stage of the capital outlay process and assuring implementation and accountability of already agreed-upon changes within the Department of General Services.

14. **Green Building Contracts:** More than \$645,000 in green building contracts was awarded to local government and State agencies. These funds will advance sustainable building concepts and products and the incorporation of used and waste tires in building and educational projects throughout the state.

Priorities

1. **Organics Regulatory Issues:**

- PR 1133. CIWMB leadership will continue to respond to South Coast Air Quality Management District's proposed rule 1133 to enclose composting. The CIWMB will complete a contract to provide additional emissions testing data for analyzing impacts of the proposed rule and will continue to coordinate with the composting industry and local jurisdictions on the proposed rule.
- Clopyralid. The board will continue to work with DPR in convening the external stakeholders advisory committee on clopyralid in compost, with the next meeting scheduled for July. AB 2356 (Keeley) is the likely vehicle that will be used to address this threat to the compost industry. CIWMB and DPR also will continue to work with the author's office, herbicide manufacturers, the composting industry, and others on development of the bill.
- Sudden oak death: CIWMB will continue to work with CDFA and the USDA in resolving issues related to movement of infested material. The CIWMB will implement the contract with UC Berkeley for additional research on the efficacy of composting as a treatment method.

2. **Biennial Infrastructure Survey:** CIWMB will implementation the contract for the second survey of California's compost- and mulch-producing industry.

3. **Nursery Compost Use:** CIWMB staff will prepare a short article based on the nursery survey for inclusion in *Biocycle* magazine. Staff will work with the California Organics Recycling Council to develop follow-up workshops on compost use in nurseries.

4. **Sustainable Landscape Education Program:** CIWMB staff will develop a cross-disciplinary sustainable environmental design program for use in university architecture degree programs and landscape architecture industry continuing education programs. The objective will be to promote building and landscape designs that reduce pollution, conserve water and energy, and promote markets for recycled content products, including urban-derived mulch.

5. **State Agency Buy Recycled Campaign:** CIWMB will continue its increased outreach efforts to the largest procuring agencies with the goal of capturing \$400 million in total reportable purchases for fiscal year 2001–02. CIWMB has established a goal of 90 percent of agencies reporting, in addition to an increase in the total number of agencies included in the SABRC. CIWMB will also focus on increasing Department of General Services' role in the SABRC. Specifically, CIWMB will look for an increase in the number of RCPs available on statewide contracts, increased use of the recycled-content certification form, and increased SABRC presence in DGS trainings, outreach, Web site, promotional activities, and publications. In addition, the board entered into an interagency agreement with the State Controller's Office

to audit a select number of SABRC reports and is contracting to perform a program evaluation of the effectiveness of SABRC.

6. **Recycled Product Trade Show:** The 4th Annual Recycled Product Trade Show will be held in Sacramento on April 10 and 11, 2003. CIWMB established targets of increasing exhibitor participation from 112 booth spaces to 150, receiving \$20,000 in sponsorship revenues, and exceeding 2,000 attendees for the two-day event.
7. **Plastics “White Paper”:** CIWMB, in cooperation with the Department of Conservation, is developing an issue paper, or “white paper,” to systematically analyze the manufacture, use, disposal, and recycling of plastics in California. The white paper will develop innovative solutions for overcoming obstacles faced by local jurisdictions, waste haulers, and recyclers attempting to collect more plastic from the waste stream, and by manufacturers wanting to use more post consumer resin in products and packaging. This will help CIWMB refocus its efforts in the management of plastics from rigid plastic packaging containers and trash bags to all types of plastics within the waste stream. The ultimate goal is to optimize plastics use, recycling, and disposal in California. The final report is scheduled to be presented to the board in November.
8. **Rigid Plastic Packaging:**
 - CIWMB, in cooperation with the Department of Conservation, will complete the 2001 processor survey in order to determine recycling rates for all RPPCs and for polyethylene terephthalate (PET) RPPCs. The rates will be considered for adoption in July. These recycling rates will be used to determine the need for a compliance certification for 2002.
 - Conduct certifications for 2001. These certifications will determine whether regulated companies complied with the rigid plastic packaging container law.
 - Present final results of compliance agreements for the combined 1997, 1998, 1999 RPPC certification cycle. The first item should be presented at the August board meeting.
9. **Implementation of Executive Order D-16-00:** This order provides a solid foundation of lasting institutional changes in the way the State designs, constructs, operates, and renovates buildings. Significant updates of action items for the Blueprint for State Facilities include the pre-approved checklist of green building features approved by the Department of Finance, the LEED Supplement for California State Facilities, and the Reference Specification for Energy and Resource Efficiency. It also includes updating the Web site and filling in gaps as new information becomes available. The training program will continue educating building project teams about sustainable building materials and practices with in-depth trainings on selected topics. CIWMB will also work with the Department of Finance and Department of General Services to foster the use of life-cycle costing, which is essential for justifying the higher initial costs of some sustainable building practices. Tracking long-term performance is a priority that will need technology support and resources for creating and maintaining a database. New activities include drafting an annual report and better identifying opportunities to incorporate sustainable building language in State construction authorizations.

Facility Permitting/Enforcement

The Integrated Waste Management Act mandates diversion of recyclable materials from the waste stream and the safe handling and disposal of all nonhazardous solid waste. The CIWMB, in partnership with local governmental agencies, is responsible for regulating the operations of solid waste facilities. It also administers remediation programs for orphaned, illegal, and abandoned dumpsites.

Cal/EPA Goals 4, 5, 7, and 8

Accomplishments

1. **Local Enforcement Agency (LEA) Training:** Several classes have been offered to the LEAs. More than 400 LEAs, operators, and CIWMB inspectors attended load-checking training. Other classes included waste classification, information sharing, and problem-solving.
2. **Enforcement Agency:** CIWMB staff, acting as enforcement agency in five local government jurisdictions, conducted 138 inspections of 27 different facilities. This is an ongoing effort.
3. **Construction and Demolition Regulations:** CIWMB staff conducted the second round of public workshops on December 13, 2001, in Diamond Bar, and in Sacramento on January 10, 2002. The workshops were held to solicit input on both phase I (transfer and processing of construction, demolition, and inert debris) and seek initial input on phase II (disposal of construction, demolition, and inert debris). On January 22–23, 2002, the board directed staff to begin a 45-day comment period, which was initiated on May 31 and extends until July 15, 2002. At its April 8, 2002, meeting, the permitting and enforcement committee directed staff to begin a 45-day comment period for the phase II regulations. Staff is currently preparing this regulation package for noticing.
4. **Hazardous Waste Disposal Facilities Disposing Nonhazardous, Nonputrescible, Industrial Solid Waste Regulations:** At its meeting on January 22–23, the board directed staff to make specified changes to the regulations and initiate a 15-day comment period, which extended from January 31 through February 15. The board adopted permanent regulations at its February 19 meeting. The Office of Administrative Law (OAL) approved the regulations on May 23.
5. **Compostable Materials Regulations:** The board held a 45-day public comment period on these proposed regulations and a May 14 public hearing. Staff continued to analyze the comments received during the comment period and public hearing.
6. **Permanent Regulations for Waiver of Permit Terms and Conditions During Temporary Emergencies:** Proposed permanent regulations were presented to the board at its January meeting). Staff is currently preparing the regulation package for noticing.
7. **Financial Assurance:** CIWMB notified 181 operators of the need to update their financial assurance mechanisms for solid waste landfills and major waste tire facilities based on the

current inflation factor. Staff is taking enforcement action against one operator who failed to provide adequate environmental liability insurance. Culminating a five-year effort, the board approved changes to the financial assurances regulations that impose strict conditions on captive insurance used as a financial mechanism for landfill closure. The regulations went into effect on June 8.

8. **Landfill-Gas-to-Energy Task Force:** Landfill gas-to-energy (LFGTE) was identified as a priority in the last six-month report. A guidance document (California Primer) to facilitate LFGTE has been completed as part of an LFGTE task force. The CIWMB is a partner in the LFGTE task force with U.S. EPA, California Energy Commission, and ARB. The task force is facilitating site-specific LFGTE projects in California and has been directly involved on several projects. Bioreactor landfill technology is also an area of significant accomplishment and has significant potential to expand production of LFGTE. The Yolo County full-scale bioreactor landfill demonstration project has successfully completed the initial phase funded in part by an earlier \$400,000 grant from the CIWMB.
9. **LEA Evaluations:** CIWMB completed the LEA evaluation process and finalized evaluation results for 47 of the 56 LEA jurisdictions. CIWMB completed monitoring LEA compliance with evaluation work plans that address performance issues identified in LEA evaluation results for Alameda and San Benito counties. CIWMB continues to monitor LEA compliance with evaluation work plans for the following jurisdictions: Imperial, Tulare, San Luis Obispo, Monterey, and Amador counties. In February, evaluation staff presented to the board an LEA evaluation status update for the period ending December 31, 2001.

Priorities

1. **Local Enforcement Agency (LEA) Training:** CIWMB is continuing to coordinate an ongoing variety of LEA training sessions that in the next six months will include inspector field training tours, hands-on landfill gas training, and understanding Cal/OSHA. In addition, the 6th Annual LEA/CIWMB Partnership Conference will be held in August. Technical sessions will range from post-closure development to conversion technologies. This conference offers LEAs and CIWMB staff networking opportunities and chances to share successes and obstacles and to enhance our partnership.
2. **Enforcement Agency:** CIWMB staff will continue to act as enforcement agency in five local government jurisdictions.
3. **Compostable Material Regulations:** Final regulations are expected be completed for adoption by the CIWMB in late fall, then submitted to the Office of Administrative Law in December. Once the board's rulemaking effort is completed, CIWMB staff will begin training LEAs and operators in the development and use of the odor impact minimization plan required in the regulations to assist in the early implementation of this new standard.
4. **Landfill-Gas-to-Energy Task Force:** CIWMB will continue participation in the LFGTE task force. CIWMB will implement a plan to incorporate flexibility for State approval of

- bioreactor landfill projects upon adoption by U.S. EPA of a Resource Conservation and Recovery Act Subtitle D regulation on research, development, and demonstration projects.
5. **LEA Evaluations:** CIWMB will be completing the LEA evaluation process and finalizing evaluation results for the following jurisdictions: Kern, Tehama, Fresno, Yolo, Colusa, Inyo, and El Dorado counties, and the multiple LEA jurisdictions of Lassen/Modoc/Plumas/Sierra, and Mono/Alpine counties. CIWMB will monitor LEA compliance with evaluation work plans that address performance issues identified in LEA evaluation results for the following jurisdictions: Imperial, Tulare, San Luis Obispo, Monterey, and Amador counties. CIWMB anticipates that some additional LEA jurisdictions will require monitoring once their evaluation results are finalized. Upon completion of the remaining LEA evaluations, staff will present to the board an LEA evaluation status update for the current cycle.
 6. **Rulemaking:** The following rulemaking efforts will continue:
 - Process for board withdrawal of approval of local enforcement agency designations: CIWMB staff anticipates concluding this rulemaking in the summer of 2002.
 - LEA enforcement assistance grants: Staff tentatively anticipates concluding this rulemaking in the summer of 2002.
 7. **LEA Outreach and Issue Research:** CIWMB staff continues to work with other Cal/EPA entities, the California Department of Food and Agriculture, and university contacts on various issues including potential bioaerosols and clopyralid contamination in composting, sudden oak death, and avian and potential animal product composting.
 8. **Best Management Practices (BMPs) for Compostable Materials:** CIWMB continues efforts to coordinate with industry, LEAs, and local and State government agencies in developing best management practices and odor mitigation measures to satisfy the requirements of SB 675 (Costa, Chapter 788, Statutes of 1997) and SB 88 (Costa, Chapter 424, Statutes of 2001). Incremental research on odor-based BMPs that integrate feedstock handling and composting technologies must proceed to assure a “good neighbor” status for existing, as well as new, operations.
 9. **Universal Waste Rule/Cathode Ray Tube (UWR/CRT) Working Groups Support:** CIWMB continues to participate on the UWR and CRT working groups and to facilitate resolution to LEA questions regarding these issues.

Waste Tires and Special Waste

The CIWMB is responsible for the safe management of more than 36 million waste tires generated, imported, and stockpiled annually in California. The five-year plan for the elimination of waste tires requires that CIWMB undertake cleanup activities for illegal tire sites, upgrade the waste tire hauler program, stimulate market activities, and implement a tire disposal fee for each new tire sold in California. The CIWMB is also responsible for the oversight of the State’s used oil and household hazardous waste recycling programs. The CIWMB works in conjunction with

local governments and private organizations to encourage Californians, through public outreach and grant programs, to properly manage and recycle used motor oil and hazardous household products.

Cal/EPA Goals 4, 5, 7, 8

Accomplishments

1. Remediation of Illegal Sites:

- Westley tire fire site. CIWMB has begun the clean up of the Filbin tire fire site in Westley. Remedial activities (actual cleanup, confirmation sampling, and the final site remediation report) should be completed within the next year. The five-year plan approved by the board allocated \$11 million for the remediation of this site over four years; \$6 million has been spent. Since the board began work at the site, approximately 160,000 tons of contaminated materials have removed from the site at cost of about \$9.7 million.
- Tracy tire fire site. CIWMB is working with U.S. EPA and other Cal/EPA entities to develop a site characterization plan that will identify the extent of the contamination from oil and ash residues at the Royster tire fire site in Tracy. This plan should be complete during the summer of 2002. Upon completion of the site characterization, CIWMB will work with U.S. EPA and Cal/EPA to develop a site remediation plan that is a necessary first step to begin the cleanup of this site. The five-year plan approved by CIWMB allocates \$9 million for the remediation of this site over four years.

2. **Do-It-Yourself and Used Oil Disposal Study:** In May, the board approved a contract with Public Research Institute (PRI) of San Francisco State University to further study oil disposal behavior, attitudes, media use and message, and incentive receptivity of California residents who change their own automotive oil. With data gathered from a survey of 3,808 people and focus groups, PRI will extrapolate additional information to further identify the individuals who change their own automotive oil and the message that would influence them to recycle their used motor oil and filters. In addition, PRI will develop a simple tool kit for local government agencies and community groups. The kit will include a summary of survey results and recommendations and tools to help local agencies to conduct their own surveys.
3. **Used Oil Forum:** In January, the CIWMB held an annual used oil forum for local government and nonprofit grant managers. The forum provides a consistent method for grant managers to share information, receive technical assistance, and share successful used oil recycling programs. The forum drew more than 200 attendees who were able to exchange ideas, gather information, and network over a two-day conference held in Sacramento.
4. **Household Hazardous Waste Statewide Conference:** The CIWMB, in conjunction with the Department of Toxic Substances Control, supported a statewide household hazardous waste/used oil technical conference in May to support local government and industry. CIWMB Board Member José Medina presented the CIWMB Strategic Plan and discussed

environmental justice efforts. Staff members provided technical assistance on e-waste developments, grant streamlining, green purchasing, and special waste management issues.

Priorities

1. **Waste Tire Manifest Tracking/Monitoring System:** In November 2001, the CIWMB held workshops on the development of the new used/waste tire manifest. After several recommended changes by industry, a pilot program was initiated to determine the effectiveness of this system. Barring a few recommended changes, the new used/waste tire manifest and trip log proved successful. This new manifest system is anticipated to begin October 1, with several training venues available throughout the state prior to its release. In addition, a video and/or instructional booklet will be made available to all haulers, generators, and end-use facilities at the onset of this release. Scanning equipment has been purchased and training is underway for the input of this collected material.
2. **Five-Year Plan:** CIWMB will implement the provisions of the five-year plan, including addressing staffing needs, managing various contracts, implementing priorities for cleanup set in the plan, and awarding and administering grants under the six grant programs. The two-year revision effort, mandated under SB 876 (Escutia, Chapter 838, Statutes of 2000), will begin in the fall. Workshops with stakeholders will be held in September to gather comments on how the plan has worked to date and what changes would help. Also in the fall, full-scale testing and implementation of the reformatted waste and used tire manifest will begin.
3. **Remediation of Illegal Sites:**
 - Westley tire fire site. CIWMB will continue implementation of the remedial action plan and the cleanup of the Filbin tire fire sites in Westley.
 - Tracy tire fire site. Characterization work is nearly complete. Upon completion, the CIWMB will begin work with U.S. EPA and other Cal/EPA entities to develop a remedial action plan for this site. In addition, the board will award contracts and begin implementation of the remedial action plan and the cleanup of the site.
4. **Waste Tire Recycling Conference:** CIWMB has awarded a contract and will enter into an agreement with CSU-Sacramento to sponsor a conference in Northern California in fall 2003.
5. **Technical Working Groups:**
 - California Resource Recovery Association, Household Hazardous Waste Technical Council. CIWMB participates in this ad hoc household hazardous waste group that studies extended producer responsibility issues that includes CRTs and e-waste. In 2002, this group will begin examining issues related to paint.
 - Household Hazardous Waste Standardization Committee. CIWMB participates in this national committee, whose goal is to develop a cost calculator to compare the costs and efficiencies of various household hazardous waste programs.

6. **Community-Based Social Marketing:** Publicity and education are “core requirements” of all board-funded used oil and household hazardous waste programs. Too often, publicity and education is information-based. It uses various advertising media with the presumption that if the community is informed, then desired behavior (responsible collection and recycling) would be accomplished. Behavior change is too often represented to be the number of ads run or premiums given away at an event. However, an increasing body of research by various social marketers strongly suggests that information campaigns are not effective in changing behavior. Staff will be proposing workshops and training sessions to introduce grantees to various social marketing techniques to supplement or replace their existing publicity and education efforts and hopefully improve performance.
7. **Used Oil Recycling Forum:** CIWMB will sponsor a statewide used oil forum in December to support local government and nonprofit grant managers. The forum fosters information sharing on successful used oil recycling programs. It also enhances regional partnerships and facilitates networking, which is essential to the growth and continued success of the used oil recycling program.

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